1   WHAT IS CLAIMED IS:

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1.   A filing system in which at least one

data processing apparatus is connected to a file server

via a transmission path, comprising:

a data capturing unit which captures image

10   data of a document into the data processing apparatus;

a data storing unit which stores the image

data captured by the data capturing unit, onto an image

storage medium;

an authorized user identifying unit which

15   acquires one or a plurality of owner identifications when

the image data is captured by the data capturing unit;

an access management unit which correlates

the owner identifications with the image data stored by

the data storing unit, and allows the stored image data to

20   be accessed when any of the owner identifications

correlated with the image data is verified; and

a data output unit which outputs the image

data in a readable manner by retrieving the stored image

data of the image storage medium when the access to the

25   image data is allowed by the access management unit.

1   2.   The filing system according to claim 1,

wherein the authorized user identifying unit acquires one

or a plurality of operator identifications when the image

data is captured by the data capturing unit, and wherein

5   the access management unit correlates the operator

identifications with the image data stored by the data

storing unit, and allows the stored image data to be

accessed when one of the operator identifications

correlated with the image data is verified.

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        3.   The filing system according to claim 1,

15 further comprising a public mode identifying unit which

acquires a public-mode identification when the image data

is captured by the data capturing unit, and wherein the

access management unit correlates the public-mode

identification with the image data stored by the data

20 storing unit, and allows the stored image data to be

accessed by all authorized users when the public-mode

identification correlated with the image data is acquired.

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4. The filing system according to claim 1, further comprising a capture inhibition identifying unit which acquires a capture-inhibition identification before the image data is captured by the data capturing unit, and wherein, when the capture-inhibition identification is acquired, the capturing of the image data by the data capturing unit is inhibited.

5. The filing system according to claim 1, further comprising an initialize command detecting unit which detects an initialize command, and an initialization unit which initializes the acquired owner identifications into initial values when the initialize command is detected.

6. The filing system according to claim 5, wherein the initialize command detecting unit includes a clock which measures an elapsed time from a start of operation of the data processing apparatus, and the

1 initialize command is transmitted to the initialize
   command detecting unit when the elapsed time measured by
   the clock exceeds a predetermined reference period.

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       7.   The filing system according to claim 5,
   wherein the initialize command detecting unit further
10 detects the initialize command when an entire data
   processing on the data processing apparatus is terminated,
   and the initialization unit initializes the acquired owner
   identifications when the initialize command is detected.

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       8.   The filing system according to claim 1,
   wherein the authorized user identifying unit includes: a
20 list displaying unit which displays a list of user
   selection buttons corresponding to a plurality of
   authorized user identifications; and an input detecting
   unit which determines whether any inputs are given onto
   the user selection buttons displayed by the list
25 displaying unit.

9. The filing system according to claim 8,
wherein the list displaying unit displays the list of the
user selection buttons in a sequence of the authorized
user identifications being defined in a user information
file.

10. The filing system according to claim
8, wherein, each time the inputs to the user selection
buttons are given, a display color of each of the input
user selection buttons is changed to a separate color that
is indicative of the authorized user identification
selection.

11. The filing system according to claim
8, wherein the authorized user identifying unit further
includes an input history recording unit which records a
latest user selection count for each of the inputs to the
user selection buttons, and the list displaying unit
displays a set of frequent-selection user buttons based on

1   the latest user selection counts thereof.

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            12.   The filing system according to claim

8, wherein, when any inputs to the user selection buttons

are first given, the authorized user identifying unit

acquires ones of a plurality of operator identifications

10   corresponding to the input user selection buttons, and

when any inputs to the user selection buttons are

subsequently given, the authorized user identifying unit

acquires ones of the plurality of owner identifications

corresponding to the input user selection buttons.

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            13.   The filing system according to claim

20   8, wherein the data processing apparatus has a copying

function, a facsimile function and a scanning function,

the data capturing unit capturing the image data by using

one of the copying, facsimile and scanning functions, and

the list of the user selection buttons corresponding to

25   the frequent-selection owner identifications and a list of

1   function selection buttons corresponding to the copying,

     facsimile and scanning functions are displayed together on

     a user/function select page.

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          14.   The filing system according to claim

     1, wherein the authorized user identifying unit acquires a

10   standard user identification as one of a plurality of

     operator identifications when the image data is captured

     by the data capturing unit but any of the owner

     identifications are not acquired, and wherein the access

     management unit correlates the standard user

15   identification with the image data stored by the data

     storing unit, and allows the stored image data to be

     accessed when the standard user identification correlated

     with the image data is verified.

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          15.   The filing system according to claim

     1, wherein the authorized user identifying unit acquires a

25   standard user identification as one of a plurality of

1   operator identifications when the image data is captured

    by the data capturing unit using a facsimile receiving

    function and any of the owner identifications are not

    acquired, and wherein the access management unit

5   correlates the standard user identification with the image

    data stored by the data storing unit, and allows the

    stored image data to be accessed when the standard user

    identification correlated with the image data is verified.

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    16.   The filing system according to claim

    15, wherein the access management unit includes a standard

15 user identification setting unit which acquires a standard

    user identification, the standard user identification

    being predetermined on a display device of a client data

    processing apparatus and transmitted to the access

    management unit by using a Web server function.

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    17.   The filing system according to claim

25 1, further comprising a monitoring/displaying unit which

1   monitors an amount of available storage of the image

     storage medium and displays the amount of the available

     storage, wherein, when the amount of the available storage

     of the image storage medium is below a lower limit, a

5   warning message indicating a lack of the available storage

     is displayed.

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          18.   The filing system according to claim

     1, wherein the data storing unit includes a first storage

     device of the data processing apparatus and a second

     storage device of the file server, and wherein the data

15   processing apparatus includes a communication control unit

     which transmits the image data, stored in the first

     storage device, to the second storage device via the

     transmission path.

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          19.   A data processing method for use in a

     data processing apparatus of a filing system, comprising

25   the steps of:

1   capturing image data of a document into the

data processing apparatus;

                storing the captured image data onto an

image storage medium;

5   acquiring one or a plurality of owner

identifications when the image data is captured into the

data processing apparatus;

                correlating the owner identifications with

the image data stored on the image storage medium;

10   allowing the stored image data to be

accessed when any of the owner identifications correlated

with the image data is verified; and

                outputting the image data in a readable

manner by retrieving the stored image data of the image

15 storage medium when the access to the image data is

allowed.

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                20. The data processing method according

to claim 19, wherein, in said acquiring step, one or a

plurality of operator identifications are acquired when

the image data is captured, and, in said correlating step,

25 the operator identifications are correlated with the

1 stored image data, and, in said allowing step, the stored

image data is allowed to be accessed when one of the

operator identifications correlated with the image data is

verified.

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21. The data processing method according

10 to claim 19, further comprising the step of acquiring a

public-mode identification when the image data is

captured, and wherein, in said correlating step, the

public-mode identification is correlated with the image

data stored by the data storing unit, and, in said

15 allowing step, the stored image data is allowed to be

accessed by all authorized users when the public-mode

identification correlated with the image data is acquired.

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22. The data processing method according

to claim 19, further comprising the step of acquiring a

capture-inhibition identification before the image data is

25 captured, and wherein, when the capture-inhibition

1   identification is acquired, the capturing of the image

     data in said capturing step is inhibited.

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          23.   The data processing method according

     to claim 19, further comprising the steps of: detecting an

     initialize command; and initializing the acquired owner

10   identifications into initial values when the initialize

     command is detected.

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          24.   The data processing method according

     to claim 19, further comprising the steps of: displaying a

     list of user selection buttons corresponding to a

     plurality of authorized user identifications; and

20   determining whether any inputs are given onto the

     displayed user selection buttons.

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1   25. The data processing method according

to claim 19, further comprising the step of acquiring a

standard user identification as one of a plurality of

operator identifications when the image data is captured

5   but any of the owner identifications are not acquired, and

wherein, in said correlating step, the standard user

identification is correlated with the stored image data,

and, in said allowing step, the stored image data is

allowed to be accessed when the standard user

10   identification correlated with the image data is verified.

15   26. The data processing method according

to claim 19, further comprising the step of acquiring a

standard user identification as one of a plurality of

operator identifications when the image data is captured

using a facsimile receiving function and any of the owner

20   identifications are not acquired, and wherein, in said

correlating step, the standard user identification is

correlated with the stored image data, and, in said

allowing step, the stored image data is allowed to be

accessed when the standard user identification correlated

25   with the image data is verified.

27. The data processing method according to claim 26, wherein the standard user identification is predetermined on a display device of a client data processing apparatus in the filing system, and transmitted to the image storage medium of the data processing apparatus by using a Web server function.

28. The data processing method according to claim 19, further comprising the steps of: monitoring an amount of available storage of the image storage medium; and displaying the amount of the available storage, and wherein, when the amount of the available storage of the image storage medium is below a lower limit, a warning message indicating a lack of the available storage is displayed.

29. The data processing method according to claim 19, further comprising the step of transmitting the image data, stored on the image storage medium, to a

1   storage device of the file server via the transmission

     path.

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         30. A computer readable medium storing

     program code for causing a processor to execute a data

     acquisition processing on a data processing apparatus, the

10   computer readable medium comprising:

         first program code means for causing the

     processor to capture image data of a document into the

     data processing apparatus;

         second program code means for causing the

15   processor to store the captured image data onto an image

     storage medium of the data processing apparatus;

         third program code means for causing the

     processor to acquire one or a plurality of owner

     identifications when the image data is captured;

20   fourth program code means for causing the

     processor to correlate the owner identifications with the

     image data stored on the image storage medium, and for

     causing the processor to allow the stored image data to be

     accessed when any of the owner identifications correlated

25   with the image data is verified; and

1   fifth program code means for causing the

processor to output the image data in a readable manner by

retrieving the stored image data of the image storage

medium when the access to the image data is allowed.

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